

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003523**Date Inspected:** 22-Jul-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Sun Xiong**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:****Bridge No:** 34-0006**Component:** OBG Component**Bid Item:****Lot No:** B-278**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector observed the following work for Surface Preparation and/or Coating Application work in progress:

Bike Path Panel Internal, Inspection Request No. 7679

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) painting work shop "1".

Inspection was offered for Inspecting the Surface Preparation prior to primer coat application.

Bike Path Brackets BK23A-001.

Inspection Conclusions: Rejected as blasting was not meeting the requirement of specification by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Please reference the attached pictures for more comprehensive details.

Lift 13 East External, Inspection Request No. 7680

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A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) North side of Orthotropic Box Girder (OBG) Trial Assembly.

Inspection was offered for the Inspecting Surface Preparation prior to primer application.

Lift 13 East, External surface faying surface.

Inspection Conclusions: Accepted by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Cross Beam # 18 and Lift 14 West, Inspection Request No. 7681

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) Ship # 19 at Jetty # 5.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Cross Beam # 18 internal entire ceiling and Lift 14 West internal east and west section ceiling and vertical of floor beam from end weld seam to OBG end.

Inspection Conclusions: Cross Beam # 18 entire ceiling was rejected as high DFT, Holidays and Mud crack was found and Lift 14 West Rejected by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Splice, Inspection Request No. 7682

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) painting work shop # 2.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Splice after re-blast 33 pieces.

Inspection Conclusions: Accepted after minor touch up by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Bike Path Panel and Lift 14 East, Inspection Request No. 7683

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) Ship # 19 at Jetty # 5.

Inspection was offered for the Inspecting Visual Inspection, Surface Preparation prior to Primer coat application.

Bike Path panel contact support area pencil blast and Lift 14 East bottom plate external pencil re-blast.

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Inspection Conclusions: Accepted for the Bike Path panel and Lift 14 East bottom panel external have some areas sea-fastening and no access to re-blast (heat straightening areas), will write to the outstanding work list by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Lift 14 West, Inspection Request No. 7684

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) Ship # 19 at Jetty # 5.

Inspection was offered for the Inspecting Visual Inspection, Surface Preparation prior to Primer coat application.

Lift 14 West double top plate internal weld area.

Inspection Conclusions: Rejected as rust still presents by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Lift 13 East External, Inspection Request No. 7685

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) North side of Orthotropic Box Girder (OBG) Trial Assembly.

Inspection was offered for the Inspecting Surface Preparation prior to primer application.

Lift 13 East, External bottom plate (MEP) surface faying surface.

Inspection Conclusions: Accepted by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Galvanized traveler rail, Inspection Request No. 7686

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) North side of Orthotropic Box Girder (OBG) Trial Assembly.

Inspection was offered for the Inspecting Surface Preparation and DFT Check.

Galvanized Traveler Rail 28 nos.

Inspection Conclusions: Rejected by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Bike Path Bracket and Architectural Housing, Inspection Request No. 7688

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) painting work shop # 2.

Inspection was offered for the Inspecting Visual Inspection and DFT.

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Bike Path Bracket and Architectural Housing cover plate external.

Inspection Conclusions: Rejected by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Cross Beam # 18, Inspection Request No. 7689

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) at Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and DFT.

Cross Beam # 18 internal entire ceiling surface.

Inspection Conclusions: Accepted after minor touch up at the marked up areas except the middle 2 section rejected as blasting in progress by the ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Lift 14 East External, Inspection Request No. 7690

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) ship # 19.

Inspection was offered for the Inspecting Surface Preparation prior to primer application.

Lift 14 East, External contact support area.

Inspection Conclusions: Accepted by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Lift 13 West, Inspection Request No. 7691

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) North side of Orthotropic Box Girder (OBG) Trial Assembly.

Inspection was offered for the Inspecting Surface Preparation and prior to primer application.

Lift 13 West, internal west corner unit up of scaffold damaged area re-blast from PP 120 till PP 124.5.

Inspection Conclusions: Accepted by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Lift 13 West, Inspection Request No. 7693

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) North side of Orthotropic Box Girder (OBG) Trial Assembly.

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Inspection was offered for the Inspecting Surface Preparation and prior to primer application.

Lift 13 West, corner unit external from FL3 to PP 124.5.

Inspection Conclusions: Inspection was cancelled by ZPMC thus no inspection was performed by ABF QA and Caltrans QA.

Lift 13 West, Inspection Request No. 7694

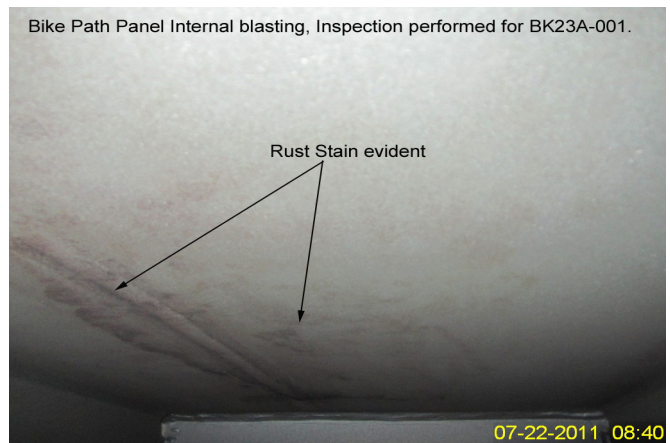
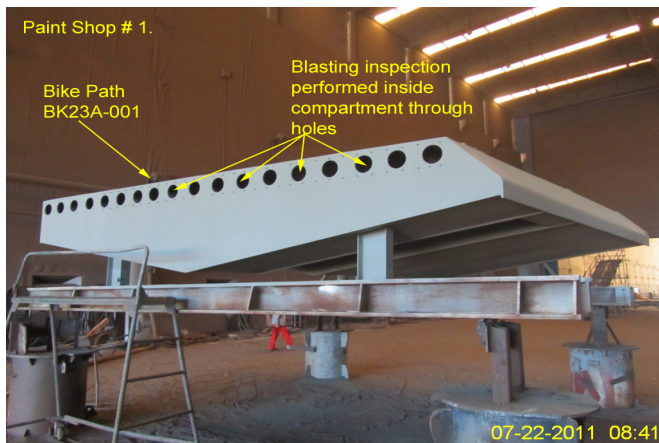
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Inspection was offered for the Inspecting Surface Preparation and prior to primer application.

Lift 13 West, Architectural housing bottom plate external faying surface re-blast and Lift 13 West side plate breakwater area re-blast.

Inspection Conclusions: Accepted by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversation were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By: Math,Manjunath

Quality Assurance Inspector

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Reviewed By: Miller,Mark

QA Reviewer